

STORAGE CONTROLLER

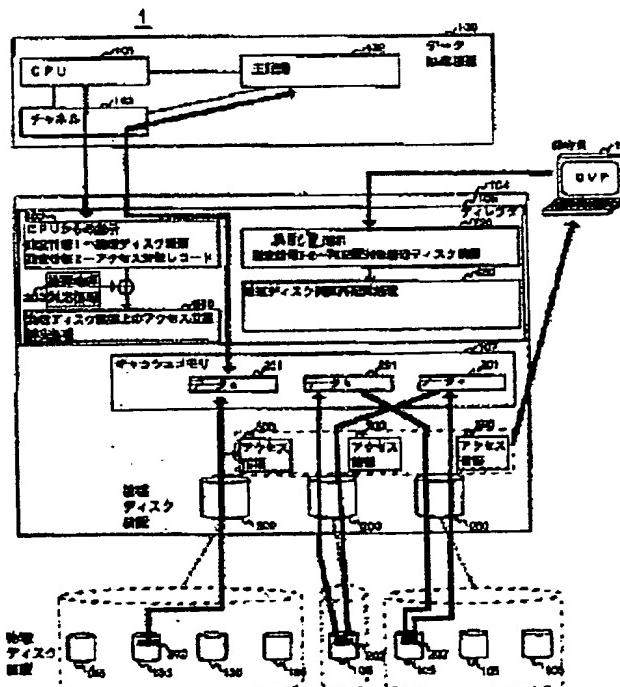
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Abstract of JP2000293317

PROBLEM TO BE SOLVED: To improve the access performance in sequential access, etc., by performing rearrangement to a physical storage device in units of logical storage drives and successively storing data on the physical storage device.

SOLUTION: A service engineer refers to access information 500 presented by an SVP 111 to examine the rearrangement of the logical disk drives 200. Consequently, when there is a logical disk 200 decided to be rearranged, a rearrangement indication 620 is sent to the storage controller 104. A director 106 receives the indication 620 and performs a logical disk rearranging process 630 between two specified logical disk drives 200. At this time, logical-physical correspondence information 300 is used to transfer data in one-process units to be rearranged from the physical disk drive 105 to a cache memory 107. Then the data 201 in the process units on the cache memory 107 are repeatedly written to the physical disk drive 105 as a rearrangement destination and the correspondence information 300 is updated after the writing is completed.



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